BREMAX

NRC-502

Internet Powered Universal Remote User Manual

Introduction

Congratulation on your purchase of BREMAX Universal Remote Control (URC). BREMAX URCs are new concept products in accordance with the pursuit of modern and easy life, which are researched and developed independently by BREMAX Technology Co., LTD (Hangzhou, China). The URCs unite various kinds of ordinary RCs as an organic whole after being simplified meticulously. By pre-programming or downloading needed RC codes on the internet, the users can operate many kinds of video/audio devices easily at the same time. So BREMAX URCs can upgrade timely and will be never out of date!

NRC-502 is one of the most sophisticated, yet easy to use, URCs available today! This remote is designed with 4 devices sections applicable for 4 different kinds of video/audio devices including TV, CBL/SAT, DVD and amplifier. In addition, this remote has powerful learning ability. Please read this user manual carefully and visit our company website at **www.bremax.com** to download corresponding RC codes before use.

BREMAX Technology Co., Ltd. (Hangzhou) is a hi-tech company specializing in exploitation of URCs. We are proud of our powerful R&D capacity and enjoy several technological patents. For more information, please visit our company's website at **www.bremax.com**.

Enjoy your BREMAX Remote!

About NRC-502

Basic Information ;

Here below are some glossaries of **BREMAX URC**.

【 Section】 NRC-5 series URC is designed to control various devices at a time. We collect those most frequently used buttons from each ordinary RC to form a corresponding section. Each of the sections is divided by clear section lines.

【 Normal Button】 are buttons with printings. Usually, these are most frequently used buttons in ordinary RCs, such as the numerical keys on TV RC or **Play, Stop** buttons on DVD RC.

【 Customized Button】 are buttons without printings. Usually, these buttons can be assigned to any functional button according to your personal habit such as F1, F2 etc.

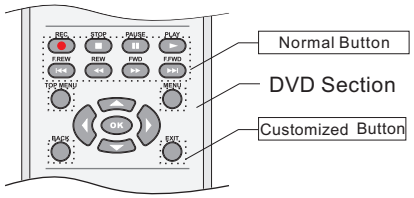


Fig 1

Fig 2 is the sketch map of NRC-502, which has been divided into five sections to control four different video/audio devices.

Power Section：Includes power buttons of various devices.

TV Section：designed to control TVs of various brands.

CBL/SAT Section：designed to control CBL or SAT (alternative).

DVD/VCD Section：designed to control DVD or VCD (alternative).

AMP Section：designed to control AMP of various brands.

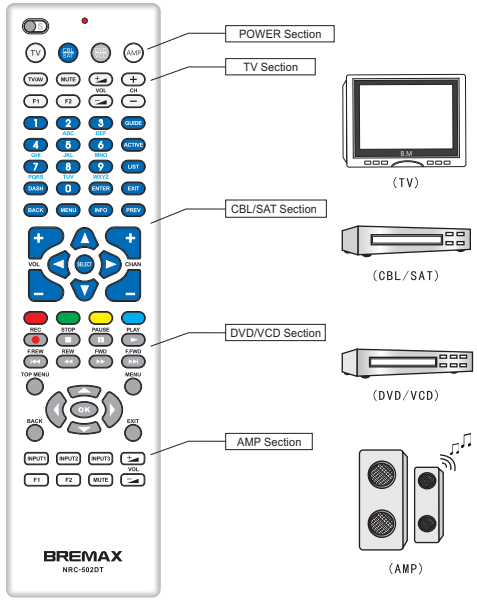


Fig 2

Button Functions

Fig 3 is the description of button functions of NRC-502.

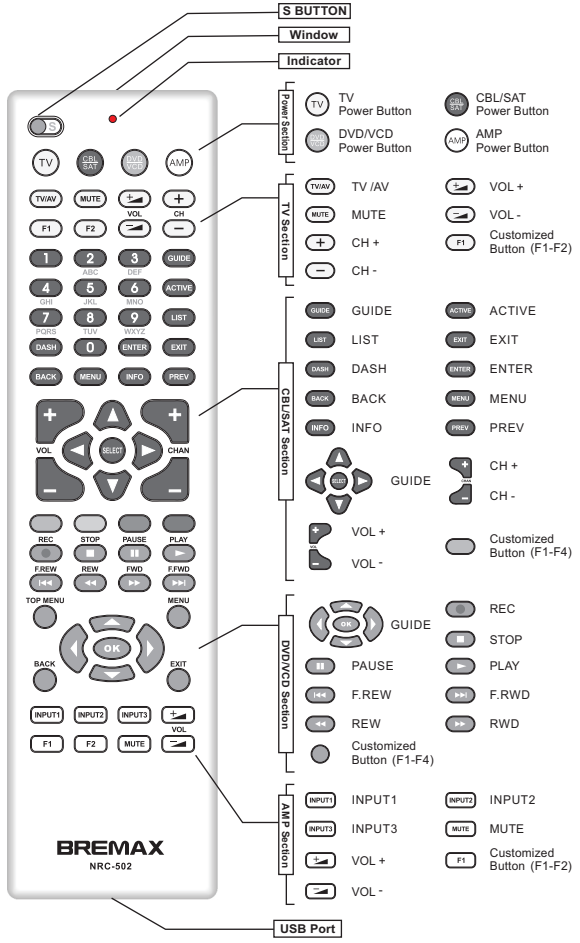


Fig 3

Before Using

Read following carefully before using URC for the first time:

Components

Ensure that you have received the following items:

- Universal Remote Control × 1
- USB Cable × 1
- User Manual × 1
- Maintenance Card × 1
- Brief Operation Manual × 1

Battery Installment

Follow the steps described in Fig 4 for the installment of the batteries.

Fig 4

Getting Your Codes

NRC-502 is an easy-to-program and easy-to-use remote control. You have many ways to get your codes for the particular device and brand. Firstly, you can setup the remote using the code for your brand of device, from the code tables (on separate sheet), or download needed RC codes on the internet. Moreover, NRC-502 has powerful learning ability. You can learn RC codes from your original remote control directly, or learn RC codes via USB connection with PC, to control your devices. Specifically, there are two learning modes: **Direct Learning Mode and Online Learning Mode (Based on PC).**

● Direct Code Entry

Here below is an example of how to setup the TV section of URC using the code tables.

1. Manually turn on your TV set to be controlled and search for the code number for your TV brand from code tables (on separate sheet).

2. Press and hold the **S** button (**over 5 seconds**) until the red indicator blinks 3 times and stays on. Then release the **S** button.

3. Enter the 4 digit code from the code tables (on the separate sheet).If your brand has more than one code listed, begin with the first code. When a valid code is entered, the red indicator blinks 3 times and turns off. For an invalid code, the red indicator flashes.

4. With your TV on, press **CH+** button. If the device responds, no further programming is required. If some buttons can not operate your device, try one of the other codes for your brand.

5. Repeat steps 1 to 4 to setup the RC codes of other devices (CBL/SAT, DVD/VCD, AMP).

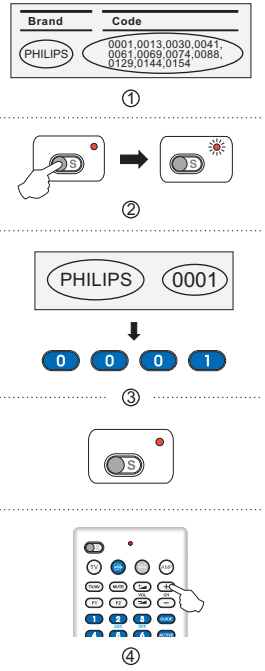


Fig 5

Enter your codes here for easy reference later.

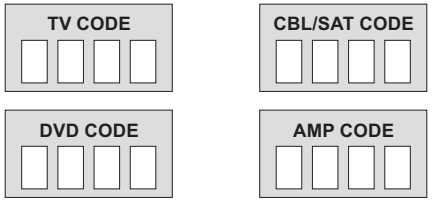


Fig 6

● Direct Learning Mode

Here below is an example of how to learn **Power** button of an ordinary TV RC.

1. Press and hold the **S** button (**over 2 seconds**) until the red indicator turns on. Then release the button.(Fig 7,Finger 1)

2. Press the **TV** button on Power section of BREMAX URC that you want to learn, the red indicator blinks and then stay on.(Fig7,Finger 2)

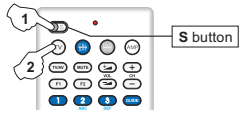


Fig 7

3. Place TV RC and BREMAX URC head-to-head (within 5-20cm) as shown in Fig 8.

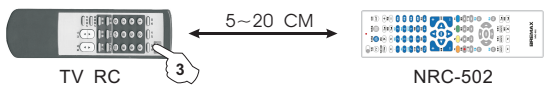


Fig 8

4. Press and hold the Power button on your original remote until the red indicator blinks 3 times quickly and stays on. If there is a learning problem, the indicator blinks 3 times slowly and stays on. If this happens, repeat Step 2 to 4.

5. Repeat Step 2 to 4 for other buttons you want to learn.

6. Press and release the **S** button when all desired remote commands are learnt. Code Learning is now complete.

Note: URC will quit the learning mode within 8 seconds if no signal from the original remote is received under Direct Learning Mode. If this happens, please try again.

● Online Learning Mode (Based on PC)

Prepare a computer and connect it to the Internet. The minimum recommended system configuration is:

- Inter Pentium III processor or higher
- USB1.1 (Universal Serial Bus) or higher
- 20M free hard disk space
- Windows98SE/Me/2000/XP operating system or higher
- Monitor resolution of 1024×768 or higher

As indicated in Fig 9, connect Bremax URC with one online PC via USB cable provided. Connect the smaller plug of the cable to URC and the bigger one to the USB port on your computer.

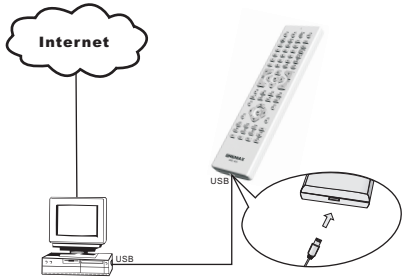


Fig 9

Follow the steps below to learn the RC codes from ordinary remote control after finishing the steps of preparation.

● Operation

Step 1: Install Learning software

1. Visit our company website at **www.bremax.com.** Find **Service & Support** and select **Download**.

2. Find your model and click **Download**. For example, if your model is NRC-502 internet powered URC, please find **NRC-502 Learning Software** first and then click **Download**.

3. Double click NRC-502 Learning Software.exe. Follow the on-screen instructions to complete the installation.

Step 2: Complete Learning Operation

Be patient during the operation because the code for a single button has to be recorded at a time. Please do it one by one. Here below is an example of how to learn an ordinary TV RC:

1. Learn single button: For example, the steps of learning **Power** button from TV RC to **TV** button on URC are shown as follows: (Fig 10)

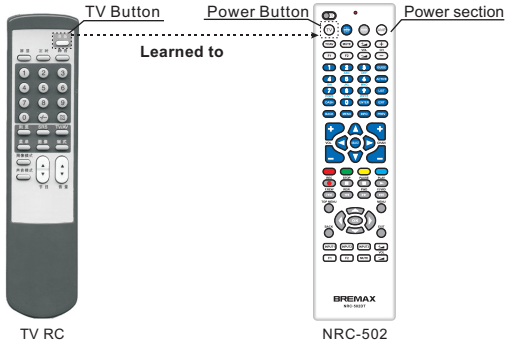


Fig 10

1.1 Double click learning software icon and run the software.

1.2 Click on **Start to learn** button on the webpage right below.

1.3 Click on TV button on the power section of URC on the webpage.

1.4 Place TV RC and URC head-to-head (within 5-20cm) as shown in Fig 8.

1.5 Press the power button on your original TV RC. If the dialogue box of **RC codes have been received** comes out, click on **OK** to finish learning. At this time, TV button on URC picture will turn red. If the dialogue box above does not come out or the dialogue box of **Fail to learn** shows, it means that the operation is failed. Please repeat the operations above till the dialogue box of **RC codes have been received** comes out.

2. Learn other buttons

2.1 Repeat steps of 1.4 and 1.5 above. For example, if you want to learn **Mute** button on TV RC, click on **Mute** button on the TV section of URC on the webpage firstly and follow the steps of 1.4 and 1.5 as shown in Fig 11.

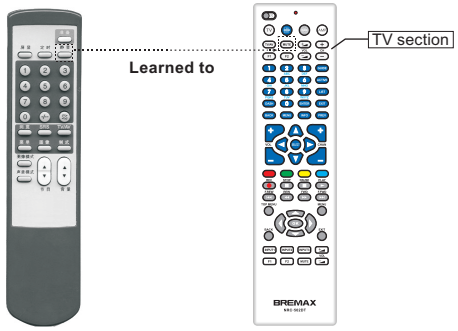


Fig 11

2.2 Repeat step 2.1 till finish learning all the buttons. Then the whole learning process of TV RC is finished.

3. Learn other remote controls

If needed to learn other RCs like DVD RC, repeat the whole steps above again. (Fig 12)

4. Finish learning

When finish all the steps, click on the **Stop learning** button. When a dialogue box of **Confirm this learning operation** comes out, click on **Yes** and then **Exit** to close the webpage. After that, pull off USB cable provided to finish learning operation.Then you can use your BREMAX URC to control your devices.

If you want to continue the learning operation, click on **No** when a dialogue box of **Confirm this learning operation** comes out. Please repeat Step 1, Step2 and Step 3 above if you want to learn other buttons.

Other Operations:

You can choose other operations such as **Delete** or **Clear** during the process of learning. For any details, please see the steps description as reference at the text box on the webpage or click on **Help** button to know related information.

Note

1. Do not remove the USB cable or disconnect the links between URC and USB port of computer during the operation.

2. Finish Step 1.4 and 1.5 within 6 seconds after clicking on the **Start to learn** button. If not, please try again.

3. In case of any disconnection between URC and the computer during the operation, please connect the cable again and run **the Learning Software.**

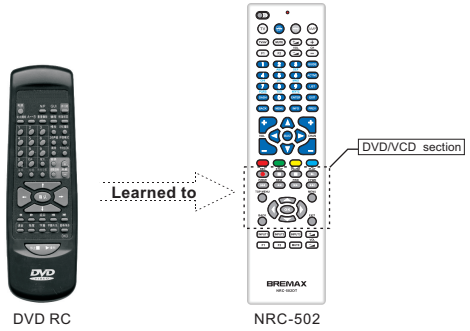


Fig 12

Download

Follow the steps below to download the RC codes after finishing all the steps of preparation:

1. Visit product website at:

Method I: visit our company website at **www.bremax.com**. Follow the steps and click "**Service & Support**"--- "**Update**" --- "**Download RC Code**"

Or

Method II: visit product website at **www.webmote.com/english/** directly.

2. While displaying **RC connection is successful**, please click **Enter**. Otherwise, follow the steps displayed on screen until the instruction above comes out, and then click **Enter**.

3. After finishing Step 2, the screen will display two option modes: **Classic Mode** and **Customized Mode**. For the user who uses it for the first time, the **Classic Mode** is strongly recommended.

4. Follow the steps and choose the device type or the RC type as you wish. For example, if you want to choose Changhong TV C1863 with its RC K1B, please enter the webpage of **Download TV RC code** first and click **Type** to

choose Changhong in **Brand**; then input C1863 or K1B in **Device or RC Type**. By clicking **Search** button, information of accordant RC will be listed (PS: It's normal that one RC can control several types of devices of the same brand). Choose one of them to pitch on and click **Next** for the setting of other devices. The settings for STB、DVD/VCD、AMP are the same as above.

5. After finishing all settings , please click **Download** and then click **OK** to complete the URC setting.

6. Close the Browser and remove USB cable. Now you can use BREMAX URC to control those devices which have finished settings.

Note

1. There are two kinds of modes to download RC codes: **Classic mode** and **Customized Mode**. **Classic mode** aims to simplify furthest the process of downloading and enable users to download needed codes easily. **Customized Mode** is totally free for customized setup operation to DIY your personal remote. For users who use our product at the first time, it is recommended to enter **Classic mode.**

2. There is detailed online user manual for BREMAX URC. If necessary, please visit **http://www.bremax.com/services/manual.htm** to download **User's manual of NRC-5XX Series R-emote Control PDF**.

3. If you can not find the needed model of RCs on our website, please contact our customer service center. Or you can use BREMAX URC to learn the codes of your RC directly.

FAQs

Problems	Solutions
Red indicator blinks after you program a product code.	1. URC did not accept the code. 2. Try to program the code again or try a different code.
It displays **No RC is found! Please check USB connection!** When running software	1. Check if the connection between URC and the computer via USB cable is correct. 2. Make sure that the battery installment is correct. 3. Remove USB extension cable or USB hub. Use USB cable directly for connection. 4. Replace the batteries with new ones.
During learning, it displays **Failed to learn**.	1. During learning, be sure to place your original RC and URC head-to-head and keep their distance within 5-20cm. 2. Make sure that the original RC can be used properly to control the device. 3. Ensure that the batteries in the original RC work normally.

During learning, RC picture on the interface will disappear during the process of learning.	1. Check if the connection between URC and the computer via USB cable is correct. 2. Remove USB extension cable or USB hub. Use USB cable directly for connection.
BREMAX URC can not control home devices.	1. Make sure the devices are on standby mode. 2. Make certain that the distance between URC and desired device is within 8 meters and try to aim it at the device. 3. Ensure that there is no obstacle between URC and desired device. 4. Restart learning for those buttons failed to operate properly. 5. Replace the batteries with new ones.

Cautions On Use

1. Please operate in the right sections to control corresponding devices. For example, press buttons on DVD section to control DVD.
2. Make sure that the distance between URC and desired device is within 8 meters and angle within 30 degrees. Ensure that there is no obstacle between them.
3. Do not expose the URC to the humid environment, to the place with too high or too low temperature.
4. Do not use USB cable not provided by BREMAX.
5. Do not disassemble the URC during daily maintenance without prior endorsement by BREMAX. Do not press by force or drop it. Do not use organic detergents like acetone to wipe dirt off.

Specification

Interface	1.5m USB cable
Power Requirements	3 AAA Batteries
Power life	Over 3 months under standard usage conditions
Distance	Approximately 8 meters (26 feet)
Dimension	212 × 55 × 20 mm
Mass	105g (not including batteries)
Usage Environment	Temperature: -25℃ to +55℃ Relative humidity: 0% to 93%

NOTE: Some parameters above may have some slight changes according to specific models of NRC series internet powered URCs.

Customer Service

Warranty

BREMAX Technology Co., Ltd. (Hangzhou) warrants this

product to be exchanged for malfunction within one month and be free from defect in materials and workmanship for a period of one year from the date of original purchase (as evidenced by the relevant purchase receipt).
Within one year from the date of purchase, you can contact franchiser of BREMAX for claiming if the product has some problem in quality.

Service Center

For any help please contact our service center via:

Hot line: 4008—878585 086—0571—88872183
086—0571—88872187

Service Time: 8:00□-21:00 Monday to Friday
10:00□-18:00 Saturday and Sunday

FAX: 0571—88216187

Website: http://www.bremax.com

Statement

All the items and attached figures above are only used for the description of usage of this product. Any law responsibility will not be undertaken by BREMAX Technology Co., Ltd. (Hangzhou).

BREMAX

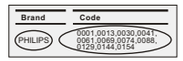
Internet powered Universal Remote

Getting Your Codes

● **Direct Code Entry**

Here below is an example of how to setup the TV section of URC using the code tables.

1. Manually turn on your TV set to be controlled and search for the code number for your TV brand from code tables (on separate sheet).

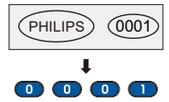


①

2. Press and hold the **S** button (**over 5 seconds**) until the red indicator blinks 3 times and stays on. Then release the **S** button.

②

3. Enter the 4 digit code from the code tables (on the separate sheet).If your brand has more than one code listed, begin with the first code. When a valid code is entered, the red indicator blinks 3 times and turns off. For an invalid code, the red indicator flashes.



③

4. With your TV on, press **CH +** button. If the device responds, no further programming is required. If some buttons can not operate your device, try one of the other codes for your brand.

④

5. Repeat steps 1 to 4 to setup the RC codes of other devices (CBL/SAT, DVD/VCD, AMP).

Enter your codes here for easy reference later.

TV CODE	CBL/SAT CODE
DVD CODE	AMP CODE

● **Direct Learning Mode**

please see Direct Learning Mode in page 5 of the Internet Powered Universal Remote User Manual.

● Online Learning Mode (Based on PC)

For specific operational steps as how to learn RC codes via PC, please see Online Learning Mode in page 5 of the Internet Powered Universal Remote User Manual.

● **Download**

For specific operational steps as how to download RC codes from www.bremax.com , please see How to Download in page 9 of the Internet Powered Universal Remote User Manual.

TV

Brand	Code
ABEX	0028
ADMIRAL	0051,0108
ADVENT	0047,0105
ADVENTURA	0012
AIKO	0076
AIWA	0029,0049,0071,0104
ALLERON	0125
AMARK	0108
AMTRON	0157
AKAI	0025,0139
ANAM NATIONAL	0019,0142,0154,0157,0165
AOC	0001,0017,0090,0002,0045
APEX	0014,0031,0050,0137
ARCHER	0108
AUDIOVOX	0157
AXION	0067
BELCOR	0001
BELL&HOWELL	0093,0106,0123
BENQ	0127,0159
BRADFORD	0157
BROKSONIC	0016,0066,0120
BROKWOOD	0001
CANDLE	0001,0012,0074,0090
CELEBRITY	0139
CENTURION	0090
CETRONIC	0142
CHANGHONG	0014,0137
CITIZEN	0001,0025,0074,0076,0090,0097,0142,0157
CLAIRTONE	0002
CLASSIC	0014,0137,0142
CLP CLASSIC	0001,0003,0012
COLOR VOICE	0107
COLORTYME	0001,0090,0107
CONCERTO	0001,0090
CONTEC	0002,0142,0157
CORNEA	0111
CRAIG	0142,0157
CROSLEY	0144
CROWN	0142,0157
CURTIS MATHES	0001,0018,0025,0089,0090,0093,0097,0106,0118,0123
CTX	0108
CXC	0142,0157
DAEWOO	0001,0017,0044,0054,0064,0076,0082,0090,0091,0092,0107,0115,0118,0142
DAYTRON	0001,0090
DIMENSIA	0106,0123
DUKANE	0094,0145
DUMONT	0001
DYNASTY	0142
ELECTROBAND	0002,0139
ELECTROHOME	0001,0090,0140,0154
ELITE VIDEO	0068
EMERSON	0001,0003,0004,0005,0019,0020,0021,0027,0032,0033,0052,0053,0055,0056,0066,0071,0090,0092,0093,0102,0103,0109,0110,0120,0124,0125,0141,0142,0155,0157,0167
ENVISION	0001,0090
FISHER	0087,0093,0116
FUJITSU	0068,0125
FUNAL	0053,0071,0103,0125,0142,0157
FUTURETEC	0142,0157
GATEWAY	0038
GE	0001,0005,0006,0018,0026,0061,0063,0090,0106,0123,0140,0151,0154,0143
GIBRALTER	0001
GOLDSTAR	0001,0017,0045,0058,0071,0090
GRUNDY	0125,0157
GUESTVISION	0134
HAIER	0050,0070
HALLMARK	0001,0090
HARVARD	0157
HITACHI	0001,0065,0078,0090,0094,0100,0102,0112,0126,0128,0129,0145,0148
IMA	0157
INFINITY	0144,0088
JANEIL	0012
JBL	0144
JCB	0139
JC PENNEY	0001,0006,0017,0018,0025,0061,0063,0074,0090,0097,0106,0109,0123,0140,0143
JENSEN	0001,0090
JVC	0023,0036,0059,0068,0072,0095,0112,0129,0138
KAWASHO	0001,0090,0139
KEC	0142
KENWOOD	0001,0090
KLOSS NOVABEAM	0012
KONKA	0035,0039,0057,0122,0152,0157,0168
KTV	0002,0113,0142,0157
LG	0001,0017,0045,0058,0071,0090,0111
LODGENET	0106,0123,0150
LOEWE	0135,0144
LOGIK	0106,0123
LUCE	0022
LUXMAN	0001,0090
LXI	0001,0018,0063,0071,0090,0093,0097,0106,0123,0144
MAGNAVOX	0001,0051,0074,0088,0090,0129,0144
MAJESTIC	0106,0123
MARANTZ	0001,0090,0144
MEGATRON	0001,0090,0094
MEI	0002
MEMOREX	0001,0027,0087,0090,0093,0106,0120,0123,0125
MGA	0001,0017,0090,0125,0129,0140
MIDLAND	0006,0018,0063,0123
MINUTZ	0143
MITSUBISHI	0001,0017,0090,0125,0129,0130,0140
MONIVISION	0037
MONTGOMERY WARD	0123,0106
MOTOROLA	0108,0154
MTC	0001,0002,0017,0025,0090,0097
MULTITECH	0157
MULTIVISION	0007
NAD	0001,0028,0090,0097
NEC	0001,0017,0024,0090,0107,0129,0154
NET TV	0010,0038
NIKEI	0142
NIKKO	0001,0076,0090
NORCENT	0050,0156
NTC	0076
ONCOMMAND	0134
ONKING	0142
ONWA	0142,0157
OPTIMUS	0015,0028,0136
OPTONICA	0024,0108
ORION	0020,0027
PANASONIC	0006,0015,0073,0083,0113,0132,0136,0144,0154
PHILCO	0001,0017,0074,0090,0129,0144,0154
PHILIPS	0001,0013,0030,0041,0061,0069,0074,0088,0129,0144,0154
PHILIPS-MAGNAVOX	0013,0051,0069,0088,0144,0164
PILOT	0001
PIONEER	0001,0028,0090,0102,0114,0145
PORTLAND	0001,0017,0076,0090
PRECISION	0046
PRICE CLUB	0025
PRINCETON GRAPHICS	0096,0108
PRISM	0006
PROSCAN	0018,0063,0106,0123
PROTON	0001,0048,0090,0149,0160,
PULSAR	0001
QUASAR	0006,0015,0083,0113,0132,0136,0144,0154
RADIO SHACK	0001,0024,0071,0075,0090,0093,0106,0123,0124,0142,0151,0157
RCA	0001,0006,0008,0017,0018,0026,0042,0063,0075,0079,0085,0090,0099,0102,0106,0115,0123,0133,0140,0151,0154,0161,
PEALISTIC	0001,0024,0071,0075,0090,0093,0106,0123,0124,0142,0157
RHAPSODY	0002
SAMPO	0001,0010,0038,0090
SAMSUNG	0001,0009,0017,0018,0025,0040,0043,0060,0089,0090,0097
SAMSUX	0090
SANSUI	0027,0120
SANYO	0001,0062,0080,0087,0093,0116
SCOTCH	0001,0090
SCOTT	0001,0003,0020,0090,0125,0142,0157
SEARS	0001,0016,0018,0025,0063,0090,0093,0097,0103,0106,0116,0123,0125,0144
SHARP	0001,0024,0034,0051,0052,0090,0108,0147,0158,0162
SHOGUN	0001
SIGNATURE	0106,0123,0155
SIMPSON	0074
SONIC	0002
SONY	0081,0121,0139
SOUNDESIGN	0001,0074,0090,0125,0142,0157
SPECTRAVISION	0166
SQUAREVIEW	0103
SSS	0001,0142,0157
STARLITE	0157
SUPRA	0001, 0146
SUPREMACY	0012
SUPREME	0139
SVA	0050
SYLVANIA	0001,0027,0053,0071,0074,0090,0103,0129,0131,0144
SYMPHONIC	0003,0053,0071,0103,0157
TANDY	0108
TATUNG	0086,0127,0154
TECHNICS	0006
TECHWOOD	0001,0006,0090
TEKNIKA	0001,0012,0017,0025,0074,0076,0090,0097,0106,0123,0125,0142,0157
TELERENT	0106,0123
TERA	0001,0048
TEVION	0086
TMK	0001,0090
TOSHIBA	0016,0024,0025,0084,0089,0093,0097,0101,0117,0119,0129,0153
UNIVERSAL	0061,0143
VICTOR	0112
VIDTECH	0001,0017,0090
VIEWSONIC	0038,0145
VIKING	0012
WARDS	0001,0003,0017,0024,0061,0074,0090,0098,0106,0123,0125,0143,0144
WHITE WESTING-HOUSE	0071,0082,0115,0118
YAMAHA	0001,0017,0090
ZENITH	0001,0011,0027,0051,0052,0071,0072,0076,0077,0088,0089,0090,0092,0094,0111,0120,0128,0155,0163

AUDIO

Brand	Code
AIWA	3079,3088
APEX	3019
BOSE	3082
CITIZEN	3026
CRITERION	3040
DELPHI	3042
DENON	3033,3089,3096
FISHER	3003
GOLDSTAR	3022
HARMAN KARDON	3002,3048
JVC	3062,3067,3097
KENWOOD	3025,3047,3049,3087,3093
MAGNAVOX	3003,3023
MARANTZ	3041
MITSUBISHI	3038
NAD	3056,3073,3094
NORCENT	3039
ONKYO	3012,3077,3085,3091
OPTIMUS	3043,3057,3074,3083,3095
PANASONIC	3005,3013,3068,3075,3081,3098,3100
PHILIPS	3003,3098
PIONEER	3029,3034,3037,3054,3101
RADIO SHACK	3016,3017,3021,3024,3029,3037,3053,3054,3095
RCA	3018,3029,3037,3054,3055,3071,3080,3090
REALISTIC	3086
SABA	3006
SAMSUNG	3000
SANYO	3008
SCOTT	3044
SHARP	3061,3072
SHERWOOD	3021,3024, 3052 ,3064

Brand	Code
SONY	3004,3011,3014,3031,3045,3046,3059,3060,3092,3099
TEAC	3015,3028,3032,3036,3065
TECHNICS	3005,3013,3068,3075,3098,3100
TEVION	3040
VENTURER	3009
XM RADIO	3042
YAMAHA	3027,3035,3050,3051,3063,3069,3076,3078,3084
ZENITH	3001,3003,3007,3010,3020,3022,3030,3057,3058,3066,3070

SAT

Brand	Code
CHANNEL MASTER	2073,2078
CHAPPARAL	2091,2097
CHEYENNE	2097
DIRECTV	2064,2065,2067,2069,2077,2082,2086,2090,2094,2102,2107,2108,2110,2115,2116,2119
DISH NETWORK	2079
DRAKE	2050,2074,2104
DX ANTENNA	2106
FUJITSU	2099
GE	2069,2076,2089,2096,2103,2107,2110,2119
GEMINI	2058
GENERAL INSTRUMENT	2049,2055,2056,2062,2063,2075,2083,2095,2109,2113,2118
HITACHI	2082,2086,2094,2102,2108
HUGHES NETWORK	2102
KENWOOD	2080
MACOM	2093
MAGNAVOX	2064,2087
MITSUBISHI	2082,2086,2094,2102,2108
MOTOROLA	2083
NORSTAT	2100
PACE	2059,2070
PANASONIC	2065,2066,2068
PANSAT	2051
PHILIPS	2064,2082,2086,2088,2094,2102,2108
PIONEER	2053
PRIMESTAR	2075,2095
PROSCAN	2069,2076,2096,2103,2110,2119
RCA	2069,2076,2084,2089,2096,2103,2107,2110,2119
REALISTIC	2072,2114
SAMSUNG	2052,2067,2112,2115
SHARP	2053
SIERRA Ⅰ Ⅱ Ⅲ	2097
SKY NETWORK	2059,2070
SONY	2057,2077,2090,2116
STAR SIGHT	2117
STAR TRAK	2081
STARCHOICE	2062,2075,2095
STS	2092,2098
SUPER GUIDE	2085
TOSHIBA	2054,2060,2082,2086,2094,2101,2102,2105,2108
ULTIMATE V	2090,2119
UNIDEN	2111,2117
VIDEO CIPHER Ⅱ	2050
WEB TV	2057
ZENITH	2050,2058,2061,2070,2071,2074,2104

DVD

Brand	Code
ADVENT	1056
AIWA	1002
AKAI	1009
AMES	1072
APEX	1003,1013,1017,1022,1034,1053,1055,1058,1062,1068,1069,1078
A-TREND	1088
AUDIOVOX	1025
AXION	1025
B&K	1045
BLAUPUNKT	1062
BOSE	1085
BROKSONIC	1000
CHANGHONG	1069
CINEVISION	1010
CLASSIC	1069,1072
CRITERION	1043
CURTIS INTERNATIONAL	1026
CYBERHOME	1088
CYTRON	1023
DAEWOO	1063,1073
DENON	1059,1071
DIGITREX	1013
DUAL	1033
DVD 2000	1079
ELTA	1004,1012
EMERSON	1010,1024,1044
FISHER	1020
FUNAI	1024,1044
GE	1050,1062
GOLDSTAR	1010
GO-VIDEO	1014,1021,1029
GRADIENTE	1011
GREENHILL	1062
HAAZ	1074,1084
HARMAN KARDON	1031
HITACHI	1001,1029,1051
HITEKER	1013
INITIAL	1062
INTEGRA	1081
JBL	1031
JVC	1019,1041,1076
KENWOOD	1052,1059
KLH	1062
KONKA	1060,1070,1080,1090
KOSS	1011
LASONIC	1074
LG	1010
LITEON	1037
MAGNAVOX	1007,1039,1040,1066,1095
MARANTZ	1010,1039,1040,1091,1095
MEMOREX	1023
MICROSOFT	1050
MINTEK	1062
MITSUBISHI	1079
MUSTEK	1072
NAD	1010,1092
NAKAMICHI	1082
NESA	1062
NORCENT	1016,1027,1036,1037,1047
ONKYO	1081,1086
OPTIMUS	1001
ORION	1000
ORITRON	1011
PACIFIC	1023
PANASONIC	1018,1028,1032,1059,1075
PHILIPS	1007,1039,1040,1066,1091,1095
PHILIPS-MAGNAVOX	1007,1039,1040,1066,1091
PIOONER	1001,1035,1089,1094
POLAROID	1008
POLK AUDIO	1039,1040,1095
PROLINE	1011
PROSCAN	1050
RADIO SHACK	1006,1015,1054,1093
RCA	1015,1050,1054,1062,1093
REOC	1074
ROTEL	1019
SABA	1006
SAMPO	1030
SAMSUNG	1005,1014,1029
SANSUI	1000
SANYO	1020
SEARS	1000
SEG	1042
SHINCO	1062
SHINSONIC	1062
SONY	1048,1049,1057,1067,1077
SYLVANIA	1024,1044
SYMPHONIC	1024,1044
TEAC	1001
TECHNICS	1059
TECHWOOD	1092
TEVION	1023,1033,1038,1043,1064,1074,1084
THETA DIGITAL	1001
TOSHIBA	1000,1039,1046,1065,1087
UNITED	1054
WHARFEDALE	1083
WHITE WESTINGHOUSE	1044
X-BOX	1050
YAMAHA	1007,1059,1061,1066
ZENITH	1010

CBL

Brand	Code
ABC	2026
ADELPHIA	2047
ALLEGRO	2021,2024
AMERICAST	2032
AT&T	2043
BELL SOUTH	2032
COLOR VOICE	2046,2048
COMCAST	2043
COMTRONICS	2018
DIGITAL MUSIC EXPRESS	2020
EASTERN	2029
EVERQUEST	2018
GE	2038
GENERAL INSTRUMENT	2020,2037,2043
HAMLIN	2040
JERROLD	2037
MOTOROLA	2037
OAK	2036
PANASONIC	2035,2039
PHILIPS-MAGNAVOX	2022,2023
PIONEER	2019,2027,2033
RADIO SHACK	2022,2023,2024
RCA	2031,2039
REGENCY	2029
SAMSUNG	2018,2019
SCIENTIFIC ATLANTA	2025,2026,2027,2030,2034,2047
SIGNAL	2018
SL MARX	2018
STAR SIGHT	2031
SPRUCER	2039
STAR TRAK	2028
STARGATE	2018
TELEVIEW	2018
TIME WARNER	2027
TOCOM	2042
UNIVERSAL	2021
VIDEO TECH	2041
ZENITH	2024,2044
ZENITH NETWORK	2032

DIRECTV

Brand	Code
DIRECTV	2120,2121
GE	2003
HITACHI	2008
HNS	2017
HUGHES NETWORK SYSTEMS	2006,2016
LG	2017
MITSUBISHI	2006,2016
Panasonic	2001,2004
PHILIPS	2000,2009,2016
PROSCAN	2002,2003
RCA	2002,2003
SAMSUNG	2010,2011,2012,2014
SONY	2015
TOSHIBA	2007,2013,2016
UNIDEN	2005